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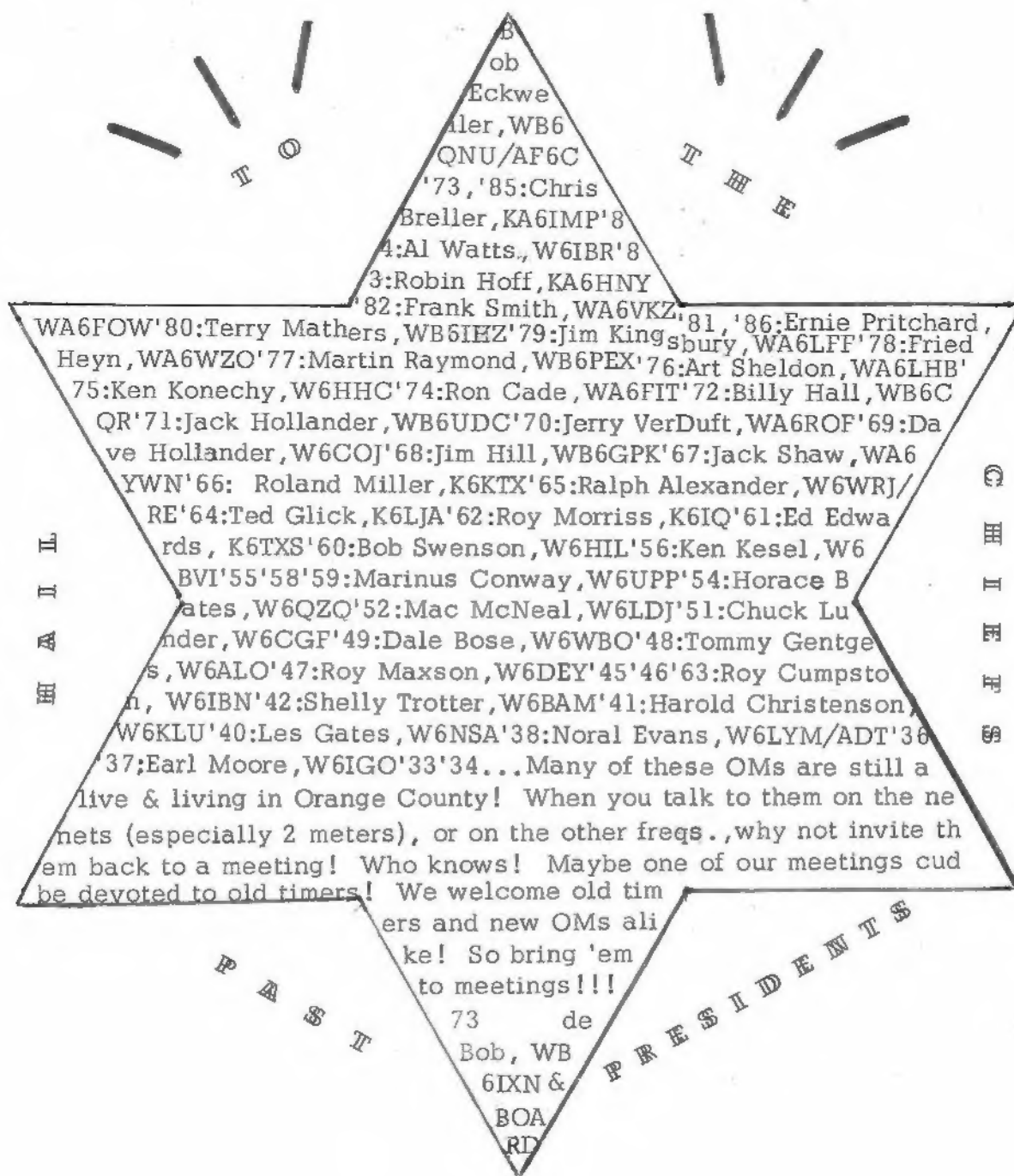


ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXVII No. 1

P. O. BOX 1704, ORANGE, CA. 92668

JANUARY 1986



1986 CLUB BOARD of DIRECTORS

President	Frank Smith	WA6VKZ	492-7215
Vice President	Jim Talcott	N6JSV	838-5395
Secretary	Ken Konechy	W6HHC	541-6249
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Activities Chairman	Kei Yamachika	W6NGD	538-8942
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T.V.I. Chairman	Al Watts	W6IBR	531-6245
Member At Large	Joe Partlow	KB6F2V	542-3122
Member At Large	Bob Eckweiler	AF6C	639-5074

CLUB APPOINTMENTS

Club Historian	Bob Evans	WB6IXN	543-9111
W6ZE Trustee	Bob Eckweiler	AF6C	639-5074
R.F. Editor	Bob Evans	WB6IXN	543-9111
Teen Representative	<open>		

CLUB FUNCTIONS

MONTHLY MEETING: 3rd Friday of each month, 7:30PM at:
 MERCURY SAVINGS & LOAN
 Jan 17th, 1986 1095 Irvine Blvd. (4th St becomes Irvine)
 Tustin, Ca. Talk-in on 146.55 MHz
 Feb 21st
 Mar 21st (Take the 4th St. exit to the 55 FREEWAY
 and head east. Continue about two blocks
 past Newport Blvd. on the left.)

CLUB BREAKFAST: 1st Saturday of each month, 8:00AM at:
 MIMI's CAFE
 Feb 1st 17231 17th Street
 Tustin, Ca. (714) 544-5522
 Mar 1st
 (55 FREEWAY at 17th Street east.)

CLUB NETS

BAND	MODE	DAY OF WEEK	LOCAL TIME	FREQ MHz
2 Meters	FM	Wednesday	2100 hrs.	146.550
15 Meters	SSB	Wednesday	2000 hrs.	21.375
15 Meters	CW	Sunday	2000 hrs.	21.175

(Listen for W6ZE, net control)

*** SANTA DELIVERS ANTENNA-TUNA ***

OCARC took over a section of Casey's Restaurant Dec. 15 to enjoy their Christmas Banquet. Everyone brought gifts along with good appetites!

AF6C was honored for past services with the President's Plaque. And Joe Partlow, FZV, received the "Good of the Club" award for 1985.

Present at the banquet were: Bob, AF6C, Berry, BPX, & Blanche, Al, IBR, & Dotty, IBP, & Jane Watts, Leland, EKT, & Harmonic, Jim, JSV, & Jeannie, Ken, HHC, XYL & four harmonics, Lloyd, ULU, Chris, IMP (from San Diego), Joe, FZV, Frank, VKZ & XYL & daughter Sussie, QVU, Kei, NGO & XYL, Jim, NS6W & XYL & 3 harmonics, Terry, IHZ & XYL Dixie & 2 harmonics. If I missed anyone, cue me in at next meeting!

And of all things!...Santa Jim, NS6W, presented to Al, IBR, a famous "Antenna-Tuna"! Very small and compact in size, Al spent the rest of the evening planning ways to load it!! Undoubtedly, Dotty will lower its SWR when she dumps the contents of it into her next salad!

All children received a Christmas stocking from the Club.

Loaded with good food, Club voices soon radiated Christmas carols over the air waves! As Dotty exclaimed, "We haven't made any videos yet, but..."

de Bob, IXN, via Dotty, IBP (tnx Dotty)

*** NETS....NETS....NETS ***

Maybe we should call the 15 m phone net the "Bob" net (4 Bobs reporting in), or the "Farmer's " net....How about the "Comet" net? Anyway, if you haven't fired up the low band rig for awhile, why not join us!? Since I have been listening, we have discussed termite problems, aphids on plants, Halley's comet, sick horses, critiqued IBM PCs, antenna ordinances and shop stewards...among other things. It's amazing what you learn on Club nets! Why not join us? And AF6C, report to me monthly on "Who's who" on 21.375, and IBR, do likewise for 2 mtrs, and possibly 21.175, if we have any cw activity. On 21.375 during Dec. were: AF6C, NGO, ULU, AJV, KD6XO, & IXN. Join us...you'll like it!! (de IXN)

*** PROPOSED ANTENNA ORDINANCE IN ORANGE ***

In a short meeting Nov. 18, the Planning Commission recommended for approval an amendment to the Municipal Code that would allow the use of ham-tower antennas in residential areas. The revised tower antenna ordinance, which would not restrict ham operators from effective world-wide communication, would allow the use of the antennas subject to restrictions on placement, size and height to protect the public safety and views. The restrictions in the proposed ordinance also conform to a recent Federal Communications Commission ruling on tower antennas. Several ham operators in the audience indicated their support of the proposed ordinance.

de Orange City News 11/27/85 via AF6C

*** A NIFTY IDEA ***

OMs! Kill some time by tuning across the Novice band and answering a CQ now & then! I met Kevin Kent, KB6IND, a new novice in Garden Grove & have invited him to meetings. This might be another way to build up club membership!! de IXN

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COLOR For Your Computer:

There is a new color monitor on the market that offers features for the computer hobbyist not found on most other monitors. Since many club members are also computer enthusiasts I thought I'd review this monitor; The Teknika MJ-22.

Why color? For much of the general computing done in the average household, such as word-processing and personal accounting, color offers little advantage. Where color really shines is in graphics and simulations. (Hams don't play games on their computer)! Flying, in color, with Flight Simulator II adds tremendous realism to the instruments and landscape!

The Teknika MJ-22 is a 13-inch high-resolution monitor that offers three different types of inputs; RGB, composite video and separated video. It also has an internal audio amplifier and speaker. The CRT is a 90-degree, in-line, dark face, high resolution type, with a 0.5mm slot pitch.

The RGB input is an 8-pin DIN connector that accepts either XRGB or RGBI digital color signals. RGBI, commonly used with computers, consists of four color signals; Red, Green, Blue, and Intensity. These four signals allow selecting any of sixteen colors. An internal ROM (Read Only Memory) chip corrects these color signals into true brilliant colors on the screen. The ROM currently comes programmed for the Apple III (or Apple II series with RGB card), and the IBM. Selection is done by a switch on the back of the set. (This switch also selects sync polarity). RGBI from other computers should work well in one of these two modes. The bandwidth in RGB is 18 MHz allowing sharp 80+ column text display.

The composite (NTSC) input accepts signals directly from the monitor output on almost every computer. The bandwidth is only 3.3 MHz which is OK for color displays but inadequate for anything over 40 column text. This mode is sharper and more brilliant than using an RF modulator and your color TV set. There is also a composite video output that allows daisy-chaining the signal to your monochrome monitor for 80 column text work. A switch on the back selects hi-Z or 75 ohm termination. (Use the 75 ohm position unless you're daisy-chaining to another monitor.)

The third type of input is separated video. In this mode two inputs are provided; one for Luminance and one for Chroma. Some computers, such as the Commodore 64 and many Atari computers have separated video outputs. Separated video allows almost double the bandwidth of composite video. A switch on the back of the MJ-22 selects composite or separated video. The Luminance input shares the same phono plug input as the composite input.

If you're using composite video with 80 column text, and don't have an RGB board for your computer yet, here's a neat trick: By changing the rear switch from composite to separated video you lose color, but gain enough bandwidth to get crisp 80 column text. cont...

Teknika MJ-22 cont...

The monitor can also be used as a video monitor for television. By hooking it up to the video and audio line outputs of your VCR you can use it to watch TV; thru the VCR's tuner, or watch a video tape. The picture quality is quite good, exceeding that of typical TV sets. Teknika even offers a cable-ready, 140 channel, wireless remote control tuner that will turn the MJ-22 (or other monitors) into a complete, high quality, TV set. The tuner lists for \$170.

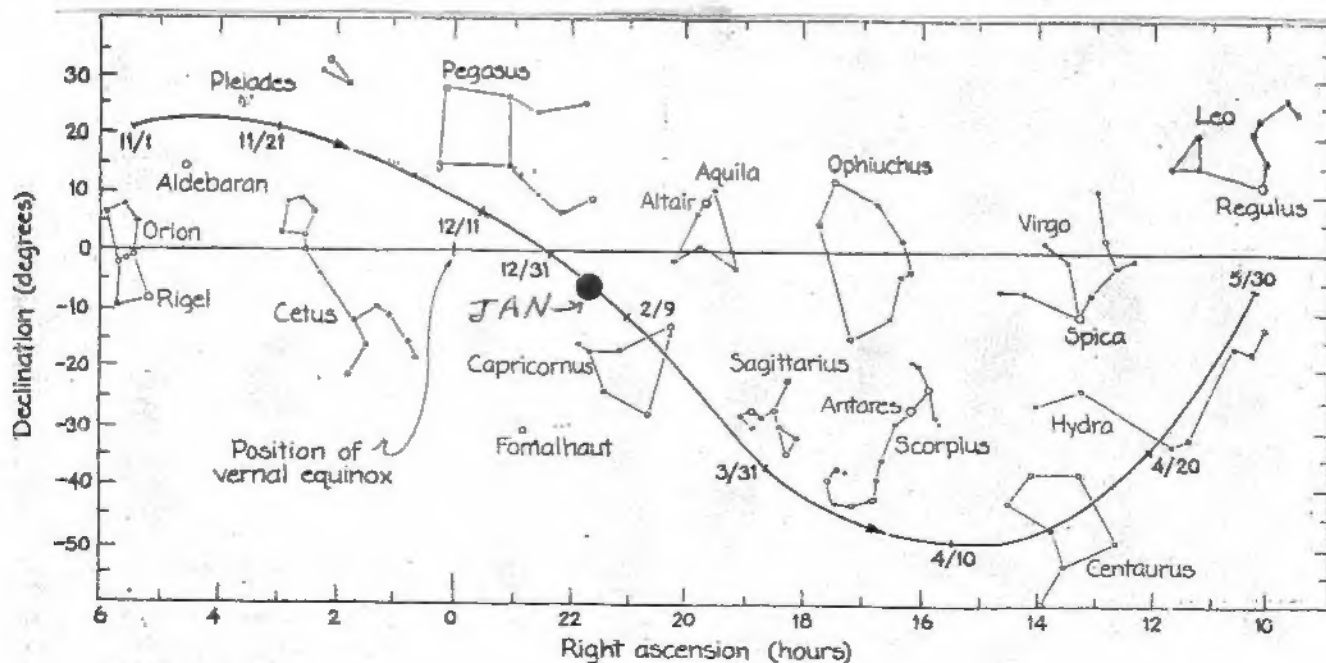
The Teknika comes with a 3-prong power cord and two phono cables. Also included is a 16 page manual that is reasonably thorough, but suffers some from translation. No schematic is supplied. The limited warranty is for one year, parts and labor. Cables are available for many computers at additional cost. Also available is an RGB card for the Apple II series. The monitor lists for \$400 (Federated recently advertised them at the discounted price of \$299).

If you want more information or a demo give me a call. I've been having a lot of fun with mine.

73, Bob, AF6C (Tnx Bob)

*** HALLEY'S COMET FOR JANUARY ***

Alas! The comet is now in the constellation Aquarius (position shown below). It is very low in the southwestern sky at 6:00 pm. This tells us that the comet is high in the sky during daylight hours this month and much of February. Good hunting!!



The comet among the constellations



MINUTES OF BOARD MEETING, O.C.A.R.C.
JAN 5, 1986

- * MEETING OPENED AT 1500, AT QTH OF THE PRESIDENT, FRANK SMITH - WA6VKZ, IN SAN CLEMENTE.
- * OFFICERS PRESENT INCLUDED: FRANK/WA6VKZ, JIM/N6JSV, KEN/W6HHC, AND BOB/AF6C.
- * THE CLUB HAS BEEN NOTIFIED THAT THERE HAS BEEN A CHANGE IN INSURANCE COMPANIES BY THE ARRL. THE NEW COMPANY IS INA.
- * THE TENTATIVE PLANS FOR PROGRAMS SO FAR THIS YEAR ARE:
 - JAN.....THE MICROLOG A1 OPTION FOR COMPUTERS BY JIM/N6JSV
 - FEB.....PACKET RADIO
 - MAR.....HAM RADIO AND COMPUTERS BY WYATT/WA6YKH
 - APRL.....ORANGE CO. RACES ON EARTHQUAKES
 - MAY..... OPEN (POSSIBLY TRIP TO HEATHKIT)
 - JUNE.....FIELD DAY REVIEW/PREPARATIONS
 - JULY.....WINE & CHEESE PARTY
 - AUG.....OPEN (POSSIBLY POT LUCK DINNER)
- * JOE/KB6FZV HAS BEEN ABLE TO OBTAIN ACCESS TO THE COMMUNITY ROOM IN THE CITY SHOPPING CENTER FOR OUR HAM RADIO CLASS. TENTATIVE PLANS ARE FOR THE NEXT SET OF NOVICE CLASSES TO START ON SATURDAY, JAN 18 AT 9-12 NOON.
- * BOB/AF6C VOLUNTEERED TO CREATE A FLYER FOR THE CLASS.
- * KEN/W6HHC AGREED TO DRAFT A LETTER TO LOCAL AEROSPACE COMPANIES IN ORDER TO SOLICIT THE POSSIBLE DONATION OF A SURPLUS GENERATOR.

SUBMITTED BY
KEN KONECHY/W6HHC
OCARC SECRETARY

PACKET RADIO UPDATE

KEN W6HHC HAS FINISHED BUILDING THE NEW HEATHKIT HD-4040 PACKET RADIO TNC UNIT THAT HE RECEIVED FOR XMAS. USING AN APPLE II+ COMPUTER AND A KENWOOD TR-7730 2-MTR TRANCIEVER, KEN FINALLY MANGED TO MAKE HIS INITIAL CONTACTS. (FIRST QSO WAS THE FRIED HEYN/WA6WZO, THE ARRL DIRECTOR.) BOB/AF6C JUST RECEIVED HIS TNC FROM HEATHKIT AND SHOULD BE OPERATIONAL SOON.

*** LOST & FOUND ***

Found after Field Day! Some dominoes from what appears to be a good set. Contact Bob, AF6C at 639-5074. Now we know how AF6C spends dead band periods on F.D.!

*** NEW NOVICE/TECH CLASS ***

Want a Novice/Tech license? Well get thy bods over to "The City" shopping center on Jan. 18 for the first meeting in the Community Room from 9:00 am. to 12 noon! Plan on meeting for about 6 Saturdays, and call Al Watts at 531-6245 for further info.! Materials cost for the class will be no more than \$10.00.

de Jim, JSV & Frank, VKZ

*** THE PREZ SEZ ***

Hope everyone had pleasant Holidays!

If you have an interest in computers and amateur radio, I hope the club can be of some assistance to you. This month, Jim, JSV, will talk about, and show, you some of the ways that he uses his computer with amateur radio.

This year promises great strides in digital communications!! Hopefully, the Club can keep you informed in this area.

The generator fund is five years old this month, and I think we should do something with the money in the fund. I am sure that the Board will make a wise decision that the general membership can accept!

Have a Happy & Prosperous New Year!! de Frank, WA6VKZ

*** MINUTES OF THE GENERAL MEETING ON NOV. 15, 1985 ***

Meeting opened at Mercury Savings & Loan at 1946 hrs with Pledge of Allegiance by President Bob, AF6C.

Roll Call of Officers: all present except VP and membership.

Announcements: Christmas Banquet (see flyer).

Program: Ken, W6HHC showed slides of Field Day, 1985.

Treasurers Report: Auction made \$95.00. Amount in checking = \$1069.35. Amount in savings = \$643.31.

Unfinished Business: OCCARO positions available..contact Kathy, WA6FAH.

New Business: Earthquakes (R.F. Article). Club should develop a Comm. Plan.

Motion: Change constitution so that elected club officers need a license whose term is (5) or more years...none opposed.

Elections: The following offices were filled by acclamation:

President: Frank, WA6VKZ, Vice-President: Jim, N6JSV, Secretary: Ken, W6HHC, Treasurer: Jeanie, KB6EVS, Activities: Kei, W6NGO, Public Relations: Mac, W6MIL, TVI: Al, W6IBR, Membership: John, KB6EZU, MAL: Joe, KB6FZV, & Bob, AF6C as prescribed in the By-Laws.

Editor of R.F.: Bob, WB6IXN, volunteered.

Board Meeting: at Jane's on Dec. 1 at 1500 hrs.

Break

Audit Committee: Ken, W6HHC, Jane, Jeanie, KB6EVS

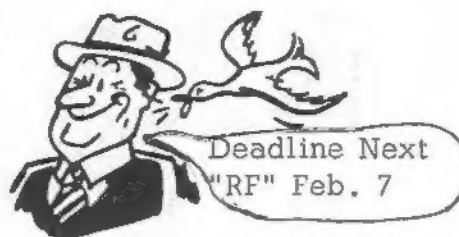
Good of the Club: Now license terms are 10 yrs, do not use any 610 form not dated June 1984. There will be a relocation of the 160m band. Alex, W6RE, talked about Hospital Support Group. Swap meet in Anaheim. No general meeting next month. Meeting adjourned at 2120.

Respectfully submitted, Frank, WA6VKZ

*** MICROLOG AIR - I....JANUARY PROGRAM....COME ONE! COME ALL! ***

Watch and listen as Jim Talcott, N6JSV, demonstrates "Micro-log Air-I", a program in permanent ROM for sending and receiving RTTY and morse code.

Jim uses a Commodore 64 computer, but he tells us that the program is also available for the Vic 20. It features slow to high speed sending and reception, removal of monotonous CQ sending, and many other features! Join us Jan. 17 and enjoy this goody!!



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FIRST CLASS!